

Db 121 AGTCATTCGCTGACCTTGAATACCAATGACGATGCTACTATTCGCAAGAAATTTGAA 180
Oy 181 TTGAAGATCATTTTGAAGAAACATGGAGCAAAATGGTGTCTGAAGTGGCTTCAAAAC 240
Db 181 TTGAAGACATTTTGAAGAAATGGTGTCTGAAGTGGCTTCAAAAC 240
Oy 241 AATGATATTCGCTGATGGAGTGGAGTCTGCAAGAGTTTGAACAGCAAGTTCAT 300
Db 241 AATGATATTCGCTGATGGAGTGGAGTCTGCAAGAGTTTGAACAGCAAGTTCAT 300
Oy 301 GAAGGACCTAAAAATGTCACAGAGTGTCTTAATCAATGCTATTCGCTGAGCAATGAA 360
Db 301 GAAGGACCTAAAAATGTCACAGAGTGTCTTAATCAATGCTATTCGCTGAGCAATGAA 360
Oy 361 ACAGCAACGACAGAGTGTGAGAGCTTGAAGCCATTCGCTCAACCTGTATCTGGCAG 420
Db 361 ACAGCAACGACAGAGTGTGAGAGCTTGAAGCCATTCGCTCAACCTGTATCTGGCAG 420
Oy 421 GAAGCTATTCGCTGAGTGTCTGCTGATCATCAAGCTCTGAAGAAAGTTGAGAGATATC 480
Db 421 GAAGCTATTCGCTGAGTGTCTGCTGATCATCAAGCTCTGAAGAAAGTTGAGAGATATC 480
Oy 481 TCAGAACTATGAGAGCTGTGGCAACGATGTGTATACCATGCAAGATCTGAGAGT 540
Db 481 TCAGAACTATGAGAGCTGTGGCAACGATGTGTATACCATGCAAGATCTGAGAGT 540
Oy 541 ATGGAACAGAACTGAAAGTGGTGAAGGCATGCAATTTGACCGTGTATCTGCTCA 600
Db 541 ATGGAACAGAACTGAAAGTGGTGAAGGCATGCAATTTGACCGTGTATCTGCTCA 600
Oy 601 TACATGCTACAGACATGTAAGAAATGGTGTGACAGCTTGAAGAAACCATTTCTATAC 660
Db 601 TACATGCTACAGACATGTAAGAAATGGTGTGACAGCTTGAAGAAACCATTTCTATAC 660
Oy 661 AGGATATTAAGAAAGTGTCAACATCCAGACATTTGCTGACACTGAGCAAGTCTTAA 720
Db 661 AGGATATTAAGAAAGTGTCAACATCCAGACATTTGCTGACACTGAGCAAGTCTTAA 720
Oy 721 ACCAGCTGCTATTAAGTCTGATTTGACAGATGTGATGCTGAAGCACTTCAACCTT 780
Db 721 ACCAGCTGCTATTAAGTCTGATTTGACAGATGTGATGCTGAAGCACTTCAACCTT 780
Oy 781 GTCTTGAACAGATTCGTGTCTGATTCATGCTGTGCTGCAAGGCGCAGAGTTGCT 840
Db 781 GTCTTGAACAGATTCGTGTCTGATTCATGCTGTGCTGCAAGGCGCAGAGTTGCT 840
Oy 841 GATCGTCTGTAAGTCTGATTTGACAGATGTGATGCTGAAGCACTTCAACCTT 900
Db 841 GATCGTCTGTAAGTCTGATTTGACAGATGTGATGCTGAAGCACTTCAACCTT 900
Oy 901 GAGGATCTAGGACTGTAATTAAGATGACAGAGCAAGCCCTGAGAGGCTGCAAG 960
Db 901 GAGGATCTAGGACTGTAATTAAGATGACAGAGCAAGCCCTGAGAGGCTGCAAG 960
Oy 961 ATTAGATGTAATTAAGATGACAGAGCAAGTGTGAGAGGCTGCAAGAGCTTAT 1020
Db 961 ATTAGATGTAATTAAGATGACAGAGCAAGTGTGAGAGGCTGCAAGAGCTTAT 1020
Oy 1021 GCTAACGCTATTCGATTAATTCGCAATGAGAAACACACTTCTGACTTGAACGCT 1080
Db 1021 GCTAACGCTATTCGATTAATTCGCAATGAGAAACACACTTCTGACTTGAACGCT 1080
Oy 1081 GAAAACTACAGAACTTGGCAAAATAGCTGTGTGCTGATCTTATCAAAAGTGA 1140
Db 1081 GAAAACTACAGAACTTGGCAAAATAGCTGTGTGCTGATCTTATCAAAAGTGA 1140
Oy 1141 GCTCAACAGAGACCTTAAAGAAATGAAATTCGATGAGATGCTTAAATGCT 1200
Db 1141 GCTCAACAGAGACCTTAAAGAAATGAAATTCGATGAGATGCTTAAATGCT 1200
Oy 1201 ACAGCTGACGCTGTAAGAAAGTATGCTGTGTGCTGAGCAACACTTATACGCT 1260
Db 1201 ACAGCTGACGCTGTAAGAAAGTATGCTGTGTGCTGAGCAACACTTATACGCT 1260

Db 1201 ACTGCTGACCTGTTGAAGAAATGATTTGACAGGTGTGGAACAGCTTTCGCAATGTC 1260
Oy 1261 ATTGAAATATGACAGCTCTTGAGCTGAGGCGCATGATGCTGACATGCAATTCG 1320
Db 1261 ATTGAAATATGACAGCTCTTGAGCTGAGGCGCATGATGCTGACATGCAATTCG 1320
Oy 1321 CTTCGCTGCTTAAGAGACCTGTAAGTCTGCAATTCGTTAAATGCTGAGAGGCTTC 1380
Db 1321 CTTCGCTGCTTAAGAGACCTGTAAGTCTGCAATTCGTTAAATGCTGAGAGGCTTC 1380
Oy 1381 GTATGATGACAGTGAAGAAACAGCCCTGAGCAAGCAAGATTAATGCTGCAACAGT 1440
Db 1381 GTATGATGACAGTGAAGAAACAGCCCTGAGCAAGCAAGATTAATGCTGCAACAGT 1440
Oy 1441 GATGCTGATGATGATTAAGAAACAGATGATGATGATGATGATGATGATGATGATG 1500
Db 1441 GATGCTGATGATGATTAAGAAACAGATGATGATGATGATGATGATGATGATGATG 1500
Oy 1501 CTTCAAATGACAGCTCTGATGATGATGATGATGATGATGATGATGATGATGATG 1560
Db 1501 CTTCAAATGACAGCTCTGATGATGATGATGATGATGATGATGATGATGATGATG 1560
Oy 1561 AAACCTGAACAGCTGACGCGCAGGAGCAAGGCAAGGATGATGATGATGATGATG 1620
Db 1561 AAACCTGAACAGCTGACGCGCAGGAGCAAGGCAAGGATGATGATGATGATGATG 1620
Oy 1621 GGTG 1624
Db 1621 GGTG 1624
RESULT 2
US-09-070-927A-42
Sequence 42, Application US/09070927A
Patent No. US20020120116A1
GENERAL INFORMATION:
APPLICANT: Charles A. Kunsch
Patrick J. Dillon
Steven Barash
TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
NUMBER OF SEQUENCES: 982
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 Inch, 1.4mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/070,927A
FILING DATE: 04-May-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/046,655
FILING DATE: 1997-05-16
APPLICATION NUMBER: 60/044,031
FILING DATE: 1997-05-06
APPLICATION NUMBER: 60/066,009
FILING DATE: 1997-11-14
ATTORNEY/AGENT INFORMATION:
NAME: Kenley K. Hoover
REGISTRATION NUMBER: 40,302
REFERENCE/DOCKET NUMBER: PB369
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SBO ID NO: 42:
SEQUENCE CHARACTERISTICS:

Db 1264 GAGCAGCTTAGGCTTAGGCTTAAGAAACACACAACTATTGAAACCTTAGGAAGATGCTAGCAAA 1323

Qy 961 ATTACAGCTTGAATAAAGATATACACACTATATTTGTTGAAGTTCCAGGAAGTGCAGACACTAT 1020

Db 1324 GTAGTGTGTGCAGAAAGATATACACAACTATGTCGAAAGTGTCTGTATTAAAGAACCCATT 1383

Qy 1021 GCTAACGCTATTGCACAGTATTAAATGCAATTTGAAACAAACAACTTCGACTTGACGCT 1080

Db 1384 GATGCCCGGCTTCATTATTAATTAACCAAACTGGCCAAACAACTGCTGATTTTATCTGT 1443

Qy 1081 GAAAACTATCAAGAAAGCTTTGGCGAAATTTACGTGTGTGTACGTCTGTATTACAAAGTAGA 1140

Db 1444 GAAAAATTTACAGACAGCTTTACCTTAATTAAGCTGTGTGTGTGTCTGTCTGTAAAGTGGT 1503

Qy 1141 GCTCCACAGACAGACCTTTAAAGAAATGAAGAACTGCATTTAGAGATGCTCTTAATGCT 1200

Db 1504 GCTGCACACTGAAACAGATTAAGAAATTAATTAAGCAATTTGAAGATGATTAAGCA 1563

Qy 1201 ACAGCTGACGCCGTTTGAAGAGTATGTTGCTGTGTGTGTGTAACAGCACTTATTACGCTT 1260

Db 1564 ACAGCTCCGCTGTAAGAAAGAGATGTTTCTGTGTGTGTGTAACCGCACTGTGCATGTA 1623

Qy 1261 ATTGAAAAAGTAGACAGCTCTTGAGCTTGAGGCGATGATGCTACTACGACAGCTAAATTTGTG 1320

Db 1624 ATTTGTTAAAGTGTGCTGGCTTAAGACTGAAGCGATGTGGCAACAGGATCAAGATGCTC 1683

Qy 1321 CTGTGCTACTCTGAAGAGCGCTGTACGTCAAAATTTGTTAAATGCTGGGTACGAAAGCGCTC 1380

Db 1684 GTTGCTGTCACTTGAAGAACCACTCGTCAAAATGCTGTAAATTTGTGTTAGAGATCA 1743

Qy 1381 GTACTTTTGTGACAAGTTGAAAAACAGCCCTGAGAGAACAGATTAAATGCTGCAACAGGT 1440

Db 1744 GTGATTTGTGCAAACTAAAAATTTGACTTAGTATGCAATTCATGCACTTACGCTTAAGCGT 1803

Qy 1441 GAGTGGTGTGATTAATGATTAACAAAGAAATCATTCGCCCTGTAAAGTACAGATCAAGC 1500

Db 1804 GAATGGTAAACATATGTTATACCCGCGATTTGTTACCCAAACAAAGTAACTGCTTCTGCC 1863

Qy 1501 CTTGAAATATGCAAGCTCTCTGTAGCTACGTCTTATTTTGACAACAGAACAGTGTGCTTAAT 1560

Db 1864 TTCAAAATATGCAAGCTCTGTGTGCTGACGCTTATTAATTAACCAATGAAGATGTTGTGCAGAC 1923

Qy 1561 AAACCTGAACCACTACGCCACGCCACGCAATGCCACAGTAGT 1606

Db 1924 AAACCAAGAACCACTGCACAGCTCTATGATGATCATCATCAATGG 1969

RESULT 3

US-09-790-988-1

US-09-790-988-1, Application us/09790988

Patent No. US20020127687A1

GENERAL INFORMATION:

APPLICANT: SHIGENOBU, SHUJI

APPLICANT: WATANABE, HIDEMI

APPLICANT: HATTORI, MASAHIRA

APPLICANT: SAKAKI, YOSHIYUKI

TITLE OF INVENTION: GENOME DNA OF BACTERIAL SYMBIONT OF APIDS

FILE REFERENCE: 081356/0159

CURRENT APPLICATION NUMBER: us/09/790, 988

CURRENT FILING DATE: 2001-02-23

PRIOR APPLICATION NUMBER: JF2000-107160

PRIOR FILING DATE: 2000-04-07

SOFTWARE: PatentIn Ver. 2.1

SEO ID NO 1

LENGTH: 640681

TYPE: DNA

ORGANISM: *Buchnera* sp.

US-09-790-988-1

Query Match 37.6%; Score 615.8; DB 10; Length 640681;

Best Local Similarity 62.8%; Pred. No. 2, 1e-139;

Matches 991; Conservative 0; Mismatches 582; Indels 6; Gaps 2

OY	4	GCMAAGCAAAATTCAAATTTTCACGAGATGCGGTCTGCCACGCGCGGAGTCATATG	63
Db	18721	GCTAAAGATGTAAATTTTGGAAATGGAAGCCGCAATTAAATCTCTCGTGGAGTTAA	18780
OY	64	TTAGAGATACCTCCAAAGTATACGCTTGGTCTTAAAGGCCAATGTGTTCTTCAAAA	123
Db	18781	TTAGACAGTCACTAAAGTACCTTTAGACCAAAAGTAAAGTAATGATGTTACATAT	18840
OY	124	GCTTTTGTTCTCTCCTTAATTACTAAATGCGGGTAAACCATTTGCTAAGAGATCA	183
Db	18841	TCTTTTGGACACCTTAGTATTAATAAGATGCTATACCGTGGCCCTGAAATTA	19000
OY	184	GAGATCAATTTGAAAACATGGAGCAAAAATTTGGTGTCTGAAGTGGCTTTAAAC	243
Db	18901	GAGATCAATTTGAAAACATGGAGCAAAAATTTGGTGTCTGAAGTGGCTTTAAAC	18960
OY	244	GATATTCCTGCTGATGGAGAGCTACTGCAACATTTTATTCACAAGCATGTGTCAT	303
Db	18961	GATGACACAGGTGATGATGACCAACAGCAACATTTATTCACATCTATATTAAGAA	19020
OY	304	GGACATAAAAATGATACACAGCGTGTATTCATTTGATGATCCGTGGAGCATTTAA	363
Db	19021	GGTTTAAACAGTATGACGGGGTATGAATTCATAGATCTGAAACCTGGAATTA	19080
OY	364	GCAACAGACCAACGCTGTGAAGCCTTGAAGCCATGTGCAACCTGTATGTGGACA	423
Db	19081	GCTGTATTCAGTGTCTGTAGAAATTTAAACATTTATCTGTACCATGTCTATTT	19140
OY	424	GCTATTCCTCAGGTGCTGCAATATCATCAGCTC...TGAAAAAGTTGAGAGATAT	480
Db	19141	GCAATATCAACAGTTGGTACTATTTCTGCAAAATGACAGTAAAGTGGTCTTTAT	19200
OY	481	TCAGAACCTATGAGACCGTGTGGCAACATGCTGTATATACATCAACAAATCTGA	540
Db	19201	GCACAAACATGAAAAAGTGGTATATACGAGATTAATACAGTAGAAGAGTACAG	19260
OY	541	ATGGAACAGAACTTGAAGGTGTGAAGCCTGATTTGACGCTGGTATACCTGCA	600
Db	19261	TTACAGATGAGCACTGAAGTTGTCAAGAGGATGCATTTGATCCTGTATATCTCC	19320
OY	601	TACATGCTCAGACATGAAAAATTTGGTGTGACAGCTTGAAGCCATTTATCTAT	660
Db	19321	TATTTATCAATAAACCAAGAACAGCTATTTGTAATTTGAAACCCATATTTTAT	19380
OY	661	ACGATATAAAAAGTGTCAAACTCCAGACATTTTCCACTACTTGAAGAACTCTTAA	720
Db	19381	GCTATATAAAAATTTCTAAATGTTGTGTAATTTTCAAAATTTAATCTGTGCAAA	19440
OY	721	ACCAACCGCTATTCATTTATGACATGATGATGATGGTGAAGCACTTCCACCTT	780
Db	19441	TCAGAAAAACCACTATTAATTTTCTGAAGATTTAGAGGTGAACTTTAGCACTT	19500
OY	781	GCTTGAACAGATTCGTGTACTTTCAGATGATGATGATGGTGAAGCACTTCCACCT	840
Db	19501	GTAATTAATTCAGAGAGGATTTGAAAGTGTGACAGATTAACACCTGATTTGGT	19560
OY	841	GATGCTGTAAGCTATGCTGTAAGACATTTGATCTGACAGGTGACAGTATTA	900
Db	19561	GATGCTGTAAGCAATGTACAAATTTTCAATCTTCTGATGATGATGATGATGAT	19620
OY	901	GAGATCTAGCACTGAATTTAAAGATGTCACATGACAGCCCTGACAGCTGTAA	960
Db	19621	GAGATCTAGCACTGAATTTAAAGATGTCACATGACAGCCCTGACAGCTGTAA	19680
OY	961	ATTACAGTATGATAGATAGCACTAATTTGTTGAAGTTTACAGAGTTCAAGAGCT	1020
Db	19681	GTTGTTATTAAGCAAGCACTCACTATTTATGCTGTGATGAGAAAACTCCTAT	19740
OY	1021	GCTAACCGATGACAGATTAATTCAGATTTGAAGAACAACTCTGACATTTGACCT	1080
Db	19741	CAAGGCTGATTAAGTCAATTCGAGAAAGAAATTCAGAAAGTACTTCTGATTAAT	19800

OY	1081	GAAAATCAGCAAAAGCTTGGCAAAATTAAGCTGTGTTGACTCTTATACAAAGTAGA	1140
Db	19801	GAAAAATTAAATGAAGCGCTTACCCTAACTATCAGCGCGGTGTTCAGTACTCTAAAGTAGCT	19860
OY	1141	GCTCCACAGAGACACTTTAAAGAANTGAACCTTGCCATTGAGGATGCCTTAAATGCT	1200
Db	19861	GCGCGCTACAGAGATGAATAATGAAAAAAGAAAAAGCTCGCTGTGAATATGCAATCATGCT	19920
OY	1201	ACAAGCAGACCGCTTAAGAAGGTATCGTTCGGTGGTGGTGAACACACTTATATGAGTT	1260
Db	19921	ACTCGTCAGCGCTGTAAAGAAAGGTGTGTGCTGGAGGAGGTGGTTCATATGTCGGTGA	19980
OY	1261	ATTGAAAAAGTAGCACGCTCTTAGCACTTGAGGGCGATGATGCTACGAGAACGA---ACAT	1317
Db	19981	GCAGGGAAGAAATAGCTATTTACGTGTCAAATAATGAAGTACAGACGTAGATATCGAGTT	20040
OY	1318	GTCCTCCTGCTGTACGAAGAGCTGTACGTCGAATAATTCCTTTAAAGCGGGTMEGAAGC	1377
Db	20041	GCTTTGCGTGGATGGAAGCTCCATTACGTCMAATTTGTTCTTAATTCGTGGAGAACCT	20100
OY	1378	TCCGAGTAAATTACAGAGTTGAAGAAACACCGCTCAGAGAACAGATTAATAGCTGCACA	1437
Db	20101	TCTGTAGTTACAAACAAATGTAAAGACGAAAGTAAGTAACTATGTGTACAAATGACGCTACT	20160
OY	1438	GGTAGAGGGGTATGATGATTAACAGCAATCATTAACCTGTCTAAAGTACACATCA	1497
Db	20161	GATGATATGTGTACATGTATGATTTGGTATATTAATTAATCAACTAAAGTACACCTCT	20220
OY	1498	GGCCTTCAAAATGACACTTCTGTAGCTACTTATTTTGAACAAGAAAGAGTGTGCT	1557
Db	20221	GCTTTACAGTATGCTGCTTCTGCTGTGCTTAAATGATACAAAGAAATGTATGTACT	20280
OY	1558	AATAAACCTGACACGCTA	1576
Db	20281	GACTTGCTTAAGAAAGATA	20299
RESULT 4			
US-09-960-428-13			
Sequence 13, Application US/09960428			
Patent No.: US20020115147A1			
GENERAL INFORMATION:			
APPLICANT: Roche Diagnostics GmbH			
TITLE OF INVENTION: Method for producing an active heterodimeric AMV-RN in prokary			
FILE REFERENCE: 5272/00/			
CURRENT APPLICATION NUMBER: US/09/960,428			
CURRENT FILING DATE: 2001-09-21			
NUMBER OF SEQ ID NOS: 22			
SOFTWARE: PatentIn Ver. 2.1			
SEQ ID NO 13			
LENGTH: 2155			
TYPE: DNA			
ORGANISM: Escherichia coli			
US-09-960-428-13			
Query Match	36.08;	Score 589.8; DB 10; Length 2155;	
Best Local Similarity	61.38;	Pred. No. 2,4e-134;	
Matches: 986; Conservative	0;	Mismatches 617; Indels 6; Gaps 2;	
OY	4	GCAAAAGAAATCAATTTTTCAGAGATGCGGCTGCTGCCATGCTGGCGCGAGTGTATATG	63
Db	478	GCTAAAGACGTAAATTTGCTGTAACGACCTCGTGTAAATATCTGCGCGCGCTAAACGTA	537
OY	64	TTACAGATACGCTCAAGTAAGCTGTGTCTTAAAGGGCGCATGTTGTCTTGAATAA	123
Db	538	CTGCAACATGACGTGAAGATTACCTCGGTCCAAGAGCGCGTAAGTAAGTGTGATAA	597
OY	124	GCTTTGGTTCCTTATTACTAATGAGGGGTACCATTCGTGAAGATGCAATTA	183
Db	598	TCTTTGCGTGACGACCATCACAAGAAATGTGTTCCTGTTGCTGTAATTCACATG	657
OY	184	GAAATATCTTTGAAAAATCATGAGCAAAATTTGTTGTCTGAAGTGGCTCTTAAACCAAT	243

D	658	GAGCAAGCTTCGAAATATATGGCTCCGAGATGCTGAAAGAAAGTTGCTCTTAACCAAC	717
O	244	GAAATGTGGGTGATGGAGCAACTATCGCAACAGTTTGTACACAGCACTGTCTATGAA	303
D	718	GAGCGTCGAGCGACGGTACCAACCACTGCACCGCTACTGCTCAGGCTATCATCACTAAA	777
O	304	GGACATAAAAATATGACACACAGTGTCTAACTCAATTTGGTATTCGTGAGGCATTGAACA	363
D	778	GGCTGTAAAGCTGTGTGCTGGGACATGACCCTATGACCTGTAAGATGTATGACAAA	837
O	364	GCACACGACACAGTGTGTAAACCTTGAAGACCATTGTCTCAACTGTATCTGGCAAGAA	423
D	838	GGGGTTACCGTGTGAGTGAATAACTGAAAGGCGCTGCGTACCATGTCTACTATAA	897
O	424	GCTATTGCTCAGGTGCTGCTCAGTATCATCAAGCTC---TGA AAAAGTTGAGAGATATATC	480
D	898	GGCAATGCTCAGGTGTGTACCATCTCCGCTACCTCCGACGAAACCGTAGGTAACTGTATC	957
O	481	TCGAAAGCTATGAGAGCGTGTGGCAACGATGATGTGTATTAACATCAAGCAAAATCTCGAGT	540
D	958	GGTGAAGGATATGAGCAAAACCTCCGTAAAGAAAGCGTTTATCACCGTTGAAGACGGTACGGGT	1011
O	541	ATGGAAGACGAACTTGAAGTGGTATGGAAGGATGACAAATTTGACCGGTATACCTGTCTCAA	600
D	1018	CTCCAGAGCAAGATCGACGCTGGTTGAAGATATCAGTTTCGACCGTGGCTACTGCTCTCT	1077
O	601	TACATGTGTACAGCAATATAAAAATGTTGTGCAGACTTGAAGACCATTTATCTGTATC	660
D	1078	TACTTCATCAACAACCGCGGAAATCTGGCGCAGTGAAGATCGAAAGCCCGTATCTCTGCTG	1133
O	661	ACGGAATAAAAAGTGCACAACTCCACAGATTTTGGCCACTGATGAGAAAGTCTTAA	720
D	1138	GGTGACAAAGAAATCTCCAAACATCCGCGAAATGTCTCCGGTCTCGAACCTGTGGCCAAA	1197
O	721	ACCAACGCTCCATTACTCTTATTTGAGATGATGTGTGTGAACACTTCCAAACCTT	780
D	1198	GGAGGCAACCGCTGCTGATCTATCGCTGAAGATGTATGAAGCGAAGGTGGCAACTCTG	1257
O	781	GGCTGGAACAAGATGTGGGTACTTCTAATGTGTGCTGTCAAGCGCCAGATTTGGT	840
D	1258	GTGTGTAAACCACTATGTGTGTGCTGTAAGATGCTGGCGGTTAAACACCGGCGCTGGC	1317
O	841	GATCGTGTAAACCTATGTGTTGAAGACATTTGCTATCTTGACAGTGTACAGATATTA	900
D	1318	GATCGTGTAAACCTATGTGTGAGATATGCAACCCGTGATGGCGGTACCGTATCTCT	1377
O	901	GAGGATCTAGGACTTGAATTAAGATGCTACAAATGACAGCCCTTGGACAGGCTCTTAAG	960
D	1378	GAAAGGATATCGTATGAGAGCTGGA AAAAGCAACCCGTGAAGACCTGGGCTAGGCTTAAACGT	1433
O	961	ATTACAGTGTATTAAGATAGCAGATTAATTTGTTGAAGTTCTACAGAGTTCTAGAAAGTAT	1020
D	1438	GTTGTGATCAACAACCAACCAACCACTATCATCGATGTGGCGGTGAAGAAAGCTGCAATC	1497
O	1021	GCTAAACGCTATTCACTGATTAATTCGCAATTAGAAACAACAACCTCTGACTTTGACCGT	1080
D	1498	CAGGCGCGTGTCTCAGATCCGTACAGCAAGATTGAAGAACCACTTGTACATGACACCGT	1557
O	1081	GAAAAACCTACAAAGAGTTTGGCAATTAAGTGTGTGTGTGTGTGTATTTATCAAGTATGGA	1144
D	1558	GAAAACTCGACAGAACCGGTAGCAAACTGGCAGCGCGGCGTGTACGATTCAAGTGGGT	1611
O	1141	GCTCCACACAGACAGCTTTAAAAAGAAATGAACCTTGCAATTGAGATGCTCTAAAGCT	1200
D	1618	GCTGCTACCGAAGTGAATTAAGAAAGAAAAAGACCGCTGTAAAGTCCCTGCACAGG	1677
O	1201	ACAGTGTACCGCTTGAAGAGATATCTGTGTGTGTGTGTGTGAACAGCACTTATATCGGT	1266
D	1678	ACCGCTCTCCGTATAAAGAAAGCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1737
O	1261	ATTGAAAAATGACAGCTCTTGAAGCTTGAAGGCGATGTGATCTACTGTGACGTAAAC--TT	1317
D	1738	GGGCTTAACCTGGCTACCTCGGGTCAAGAACGAAAGACGTAAGCGTGGGTATCAAAAGTT	1797

```

Oy 1318 GGTGCTGCTGTATAGAGACCTGTGACCTCAATATCTTTAAATGTGGGTGACAGGC 1377
Db 1798 GCACTCGGTGCATGGAAGCTCCGGCTGTGCTGATGATGCTATTGAACCTGGCGGAAGACCG 1857
Oy 1378 TCCGTAGCTTTATGACAGTGTAAAGAACCCCTGACGAAGACAGATTTATGCTGCANAA 1437
Db 1858 TCTGTGTGTGCTACACCGCTTAAAGCCGGCAGACGCAACTACAGGTTACAGGCAAGCAACC 1917
Oy 1438 GGTGAGTGGGTATATATGATTAAACAGCATCATTAACCTGTGTCAAAATGACAGATCA 1497
Db 1918 GAGAGATATGCGCAACATGATGACATGATGGTATCTCGATCAACCAAGATACCGTCTT 1977
Oy 1498 GCGCTTCAAAATGACAGCTTCTGTAGTACTGTTATTTTGACAAAGAAAGAGTGTGCT 1557
Db 1978 GGTCTGCAAGTACCCAGCTTCTGTGTGGCTGTGATGATGATCACCAGGAATGCGATTTACC 2037
Oy 1558 AATTAACCTCAACACGAGCTACGCCAGCGCAGCAATGCAACAGAGATG 1606
Db 2038 GACCTGCCGAAAGACGATGACGTGACTTAAGCGCTCTGCGGATATG 2086

RESULT 5
US-09-841-132-380
: Sequence 380, Application US/09841132
: Patent No. US20020061848A1
: GENERAL INFORMATION:
: APPLICANT: Bhatia, Ajay
: APPLICANT: Skeiky, Tasir A.W.
: APPLICANT: Probst, Peter
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT AND
: FILE REFERENCE: 210121.469C8
: CURRENT APPLICATION NUMBER: US/09/841.132
: NUMBER OF SEQ ID NOS: 599
: SOFTWARE: FastSeq for Windows Version 3.0/4.0
: SEQ ID NO 380
: LENGTH: 1635
: TYPE: DNA
: ORGANISM: Chlamydia pneumoniae
US-09-841-132-380

Query Match 32.4%; Score 530.4; DB 10; Length 1635;
Best Local Similarity 59.5%; Pred. No. 7e-120;
Matches 957; Conservative 0; Mismatches 636; Indels 15; Gaps 3

Oy 4 GCAAAAGAAATCAATTTTTCACGATGCGCGCTGCGCATGTCGCGGAGTGTATATG 63
Db 7 GCGAAATATTTTAATATATATGAAAGACGCAAAAAATATCAATAAAGGCGTAAAAACT 66
Oy 64 TTACGACATACCGTCAAGATTAACGCTTGTCTTAAAGGGCGCAATGTTGTTCTTGAAAA 123
Db 67 CTTCAAAAGCAGTAAAGATTAATCTAGTCTCTTAAAGGACGTCACAGTAGTATAGTAAG 126
Oy 124 GCTTGTGTTCCCTTATTAATCTATATGACGGGGTAACCATGTTCTTAAAGATGCAATTA 183
Db 127 AGCTTGTGCTCTCCCAAGTGAATTAAGATGTTTACTGTACTGTCAATTAAGAAATCGAGCTC 186
Oy 184 GAAATATATTTTGAAGACATGAGGAGCAAAATGSGTGTGCAAGTGGCTTCAATTAACAT 243
Db 187 GAAACAAACATGAAACATGAGGCGCTCAGATGTAAGAAAGATGCCAGCAAAATCTCT 246
Oy 244 GATTTGTCTGTGATGGGAGACACTACTGCAACAGTTTATACCAAGCAATGTTGATGAA 303
Db 247 GACAAACGGGAGGAGGAACTTAAACACCAACTGTTCTTGCAAGAAAGATCAATATAGCGAA 306
Oy 304 GCACTAAAAATATGACAGCAGGAGTCTATCAATTTGATTCCTGAGGCAATGAAACA 363
Db 307 GGTTAAGAAATGCTACTGCCGGGTGCAATCTATGAGACTTAAAGAAAGTATCAACAAA 366
Oy 364 GCAACAGCAACAGCTTGAAGGCTTGAAGAACCATATGCTCAACCTGATCTGGCAAGAA 423

```

Db 367 GCCGTAAAGTTGTTGTGATGACCAAAAAAATAGTAACTGTACAACTACAAA 426
OY 424 GCTATGCTCAGGTGCGTGCAGATATCATACGCTCTGA---AAAGTTGGAGATATTC 480
Db 427 GAATGCTCAGTACGATCTATCTACGAAATATGATTCGGAATCGAATCTTAT 486
OY 481 TCAGAGCTATGAGCGGTGGGCAAGTGTGTGATACCTGGAAGATTCGAGCT 540
Db 487 GCAGAGCTATGAGAAAGTGTGTAAGAAAGCTTCCATTCGTTGATGGAAGGC 546
OY 541 ATGGAAGAGAACTGAGAGTGTGTAAGGCTGATTTGACCGTGTACCTGTCAA 600
Db 547 TTGGAAGCTGTTCGAGCTGTGAGAGAAATGAACTTCACCGGTGATCTCCAGC 606
OY 601 TACATGCTCAGACAAATGAAAAATGTTGCAACCTGGAACCCATTATCTTAATC 660
Db 607 TACTTCTCCAAATCCAGAACTCAGAAATGCGTTTGAAGAGCTGTGATCTTAATC 666
OY 661 ACGATTAAGAAAGTGTCAAACATCCAGACATTTTCCACTGTGAGAACTCTTAA 720
Db 667 TAGCATTAAGAAATCTCTGGAATTAAGACTTCTCCAGTTTACAAAGATGACAGA 726
OY 721 ACGAACCGTCACTTACTCAATTTATGAGATGATGATGATGATGATGATGATGAT 780
Db 727 TCTGAGACCCCTCTTTTATCATGTCAGAAATGAAAGAGAAAGCTTTAGCACTGA 786
OY 781 GCTGTGAACAAATTCGTGTACTTCAATGTGATGATGATGATGATGATGATGATGAT 840
Db 787 GTAGTCAATAGACTCGTGCAGAGATTGAGAGTGTGAGAGTGAAGCTCTGTTGCT 846
OY 841 GATGCTGTAAAGCTATGCTTGAAGACATGCTATGCTTGAAGAGTGTGATGATGATGAT 900
Db 847 GACAGAAAGAAAGCTATGATGAGAAATGCTGATGATGATGATGATGATGATGATGAT 906
OY 901 GAGATCTAGACATTTGATTAAGAAATGCTTCAATGACAGCCCTGTGACAGGCTCTAAG 960
Db 907 GAAGAACTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 966
OY 961 ATTACAGTTGATTAAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1020
Db 967 GTTATGCTAATGATTAAGAAATGATGATGATGATGATGATGATGATGATGATGATGAT 1026
OY 1021 GCTAACCGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1080
Db 1027 CAAGCTCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1086
OY 1081 GAAAAAATCAAGAAAGCTTTGCGAAATGATGATGATGATGATGATGATGATGATGATGAT 1140
Db 1087 GAAAAAATCAAGAAAGCTTTGCGAAATGATGATGATGATGATGATGATGATGATGATGAT 1146
OY 1141 GCTCAAGAGAGACAGCTTTAAAGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAAT 1200
Db 1147 GCTGCTACGAAATGAGATGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 1206
OY 1201 ACAGCTGACAGCGTGTGAAGAGTATGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1260
Db 1207 ACGATTGACGCTGTGAGAAAGAAATCTCTCCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1266
OY 1261 ATTGAAAAAGTACGAGCTGTGAGCTTGAG-----GGGATGATGATGATGATGATGATGAT 1311
Db 1267 ATCCCTACACTAGAAAGCTTCTCTCTATGCTAGCAAAAGAAAGAAAGAAAGAAAGAAAG 1326
OY 1312 AACATGCTGCTGCTGCTAGAAAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1371
Db 1327 CGTATTAATCTAAAGAGATTAACAGCTCAATTAAGCAAAATGGAAGTAAAGCAAGTAA 1386
OY 1372 GAAGGCTCCGATGATTAATGACAAAGTGAAGAAAGCCCTGCGAGAAAGAGATTTATGCT 1431
Db 1387 GAAGGCTCCGATGATTAATGACAAAGTGAAGAAAGCCCTGCGAGAAAGAGATTTATGCT 1446
OY 1432 GCAAGAGTGAAGTGTGATGATTAAGAAAGAGATGATGATGATGATGATGATGATGATGAT 1491
Db 1447 TTACGTGAGCTTATACAGATTAATGATGAGCAAGAAATTTAGATCAACTAAAGTACT 1506

OY 1492 CATTACAGGCTTCAAAATGACAGCTTCTGATGATGATGATGATGATGATGATGATGATGAT 1551
Db 1507 GCGTCAAGCTTCAAGAAAGCGCAGCTTCTGATGATGATGATGATGATGATGATGATGATGAT 1566
OY 1552 GTTGCTAATTAACCTGAA---CGAGTACGCGAGCGCCAGCAATGCA 1596
Db 1567 ATCGCTGATATCCAGAAAGAAATCTCTCTCAGCTCCAGCATGCCA 1614

RESULT 6
US-08-781-986A-266
Sequence 266, Application US/08781986A
Publicaton No. US20030054436A1
GENERAL INFORMATION:
APPLICANT: Charles Kunsch
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5255
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 Inch, 1.4mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/781,986A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Benson, Bob
REGISTRATION NUMBER: 30,446
REFERENCE/DOCKET NUMBER: PB248BP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8512
FAX: (301) 309-8512
INFORMATION FOR SEQ. ID NO.: 266:
SEQUENCE CHARACTERISTICS:
LENGTH: 1017 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-781-986A-266

Query Match 29.5%; Score 483.6; DB 7; Length 1017;
Best Local Similarity 67.2%; Pred. No. 1,5e-108;
Matches 681; Conservative 2; Mismatches 331; Indels 0; Gaps 0;


```

? PRIOR APPLICATION NUMBER: 60/126,593
? PRIOR FILING DATE: 1999-03-26
? PRIOR APPLICATION NUMBER: 60/134,093
? PRIOR FILING DATE: 1999-05-14
? PRIOR APPLICATION NUMBER: 60/134,092
? PRIOR FILING DATE: 1999-05-14
? PRIOR APPLICATION NUMBER: 60/165,124
? PRIOR FILING DATE: 1999-11-13
? PRIOR APPLICATION NUMBER: 60/165,086
? PRIOR FILING DATE: 1999-11-12
? NUMBER OF SEQ ID NOS: 282
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 23
? LENGTH: 1623
? TYPE: DNA
? ORGANISM: Mycobacterium tuberculosis
US-09-712-363-23

Query Match      28.0%   Score 458.6;   DB 9;   Length 1623;
Best Local Similarity 55.8%   Pred. No. 2,6e+102;
Matches 873; Conservative 0; Mismatches 694;   Indels 0; Gaps 0.

```



```
OY 961 ATTACAGTTGATTAAGATAGACAGATTAATGTTGAGTTGAGGAAGTTGAGAGCTATT 1020
    || || || || || || || || || || || || || || || || || || || || ||
DB 1285 GTCTGTGTCACCAAGAGAGACACACATCTGCGAGGCGCGCGGTGAGACGAGCGCATC 1344
    || || || || || || || || || || || || || || || || || || || || ||
OY 1021 GCTAACCGTATTGACATGATTAATGCAATTAAGAAACAACACTTGTGACTTTGACCGT 1080
    || || || || || || || || || || || || || || || || || || || || ||
DB 1345 GCGGAGAGAGTGGCCCGGATCCCGAGAGATGAGAAACGAGACTCGACTACGACCGT 1404
    || || || || || || || || || || || || || || || || || || || || ||
OY 1081 GAAACCTACAGAAAGCTTTGGGAAATAGCTGTGGTGTAGCTGTATTAACAAGTAGA 1140
    || || || || || || || || || || || || || || || || || || || || ||
DB 1405 GAGAACTGACAGAGAGCGCTGCGCAAGCTGGCGGTGTGTGCGGTGTATCAAGGCGGT 1464
    || || || || || || || || || || || || || || || || || || || || ||
OY 1141 GCTCCACAGACAGCTTTAAAGAAATGAACCTTGCATTTGAGATGCTTAAATGCT 1200
    || || || || || || || || || || || || || || || || || || || || ||
DB 1465 GCGGCGACGAGGTGAACTCAAGAGCGAGACCGCATGAGAGATGCGGTTCGCAAT 1524
    || || || || || || || || || || || || || || || || || || || || ||
OY 1201 ACAGTGCAGCCGTTGAGAGAGTATCGTGTGTGTGGAACAGCACTTATTACGCTT 1260
    || || || || || || || || || || || || || || || || || || || || ||
DB 1525 GCCAAGGCGCGCTGAGAGGCGCATCGTGGGTGGGTGTGACGCTGTGCAAGCG 1584
    || || || || || || || || || || || || || || || || || || || || ||
OY 1261 ATTGAAAAGTAGCAGCTCTTGAGGCGATGAGTACTGAGCACTGATCAATTTG 1320
    || || || || || || || || || || || || || || || || || || || || ||
DB 1585 GCGCGACCTGAGAGAGCTGAGAGCTGAGAGGAGGAGGAGCGAGCGCGCGCATCGTG 1644
    || || || || || || || || || || || || || || || || || || || || ||
OY 1321 CTTCGTGCTCTGAGAGAGCTGAGTCAATTTGCTTAAATGCTGGGTAGCAAGGCTTC 1380
    || || || || || || || || || || || || || || || || || || || || ||
DB 1645 AAGGTGGCGCTGAGAGCGCGCTGAGAGCATGCCCTTCACTCGGCGGTGAGCGCGCG 1704
    || || || || || || || || || || || || || || || || || || || || ||
OY 1381 GTAGTATTGACAGTGAAGTAAACAGCCCTGAGAGCAAGATTTAATGCTGACAGGT 1440
    || || || || || || || || || || || || || || || || || || || || ||
DB 1705 GTGTGCGCGAGAGGTGCGCAACCTGCGGTGCGGAGCGTGAAGCTGAGACGCGGT 1764
    || || || || || || || || || || || || || || || || || || || || ||
OY 1441 GAGTGGTGTATGATTAAGAAACAGAAATCTATGACCGCTGTCAAGATACAGATCAG 1500
    || || || || || || || || || || || || || || || || || || || || ||
DB 1765 GTCTACAGAGATCTGCTGCTGCGCGCTGTGACCGCTCAAGGTGACCGCTTGGCGG 1824
    || || || || || || || || || || || || || || || || || || || || ||
OY 1501 CTTCAAAATGACGCTCTGTGATGCTTATTTATTAACAACAGAAAGTGTGCTTAAT 1560
    || || || || || || || || || || || || || || || || || || || || ||
DB 1825 CTCGAGAAATGCGGCGCTCATCGCGGGGTGTTCTGACACCGAGCGCGGTGTCGAC 1884
    || || || || || || || || || || || || || || || || || || || || ||
OY 1561 AAACCTGAA 1569
    || || || || || || || || || || || || || || || || || || || || ||
DB 1885 AAGCCGAA 1893
    || || || || || || || || || || || || || || || || || || || || ||
```

```
RESULT 12
US-10-267-311-20
: Sequence 20, Application US/10267311
: Publication No. US20030050469A1
: GENERAL INFORMATION:
: APPLICANT: Siegel, Marvin
: APPLICANT: Chu, N. Randall
: APPLICANT: Mizeen, Lee A.
: TITLE OF INVENTION: INDUCTION OF A THI-LIKE RESPONSE IN VITRO
: FILE REFERENCE: 12071/002001
: CURRENT FILING DATE: 2002-10-09
: PRIOR APPLICATION NUMBER: US/09/613,303
: PRIOR FILING DATE: 2000-07-10
: PRIOR APPLICATION NUMBER: US 60/143,757
: PRIOR FILING DATE: 1999-07-08
: NUMBER OF SEQ ID NOS: 55
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 20
: LENGTH: 2847
: TYPE: DNA
: ORGANISM: Artificial sequence
: FEATURE:
: OTHER INFORMATION: fusion sequence
: NAME/KEY: CDS
: LOCATION: (1)...(2844)
```

```
US-10-267-311-20
Query Match 28 0% Score 458.6; DB 9; Length 2847;
Best Local Similarity 55.8%; Pied. No. 3,46-102;
Matches 875; Conservative 0; Mismatches 694; Indels 0; Gaps 0;

OY 1 ATGGCAAAAGAAATCAATTTTACAGCATAGCGCTGTGCTCATAGTGTGCGGAGTTGAT 60
    || || || || || || || || || || || || || || || || || || || || ||
DB 61 ATGGCAAAAGAAATGCTGACGAGCAAGAGGCGCTTCCGCGCTGACGAGGCGGTGAAC 120
    || || || || || || || || || || || || || || || || || || || || ||
OY 61 ATGTAGCAGATACGCTCAAGTAACGCTTGTCTTAAAGGCGCAATGTTCTTTGAA 120
    || || || || || || || || || || || || || || || || || || || || ||
DB 121 GCCCTCGCGGATCGGTTAAAGTGCATTGGCCCCCAAGGCGCGCAAGTGTCTTGGA 180
    || || || || || || || || || || || || || || || || || || || || ||
OY 121 AAAGCTTTGGTCTCTCCTTAATTACTAATGACGGGGTAAACATTGTAAAGATCGAA 180
    || || || || || || || || || || || || || || || || || || || || ||
DB 181 AAGAAAGTGGGTGCGCGCGACGATCACCAGATGATGTGTGTCATGCCAAGAGATCGAG 240
    || || || || || || || || || || || || || || || || || || || || ||
OY 181 TTGAAAGATCATTTTGAACATGAGGAGCAAAATGATGTCTGAAAGTGTCTTAAAC 240
    || || || || || || || || || || || || || || || || || || || || ||
DB 241 CTGAGAGATCCGTAGAGAAATGCGGCGGAGCTGTGTCAAAAGATGACCAAGAGAC 300
    || || || || || || || || || || || || || || || || || || || || ||
OY 241 AATGATATTGCTGTATGAGGAGCAGTACTGACACAGTTTGAACAAAGCATTTTCTAT 300
    || || || || || || || || || || || || || || || || || || || || ||
DB 301 GATGACGTGCGGTGTACAGGACCAAGAGCGCACCGCTGTGACCGCGCTTGTGTCG 360
    || || || || || || || || || || || || || || || || || || || || ||
OY 301 GAAGACTTAAAAATGTGACAGAGGTCTTAATTCATTTGATATCCGTGAGGCAATTGA 360
    || || || || || || || || || || || || || || || || || || || || ||
DB 361 GAAGGCTCTGCGCAAGCTGCGGCGCGCGCAACCGCTGTCTTAAACGCGCATCGAA 420
    || || || || || || || || || || || || || || || || || || || || ||
OY 361 ACAGCAACAGCAACAGCTGTGAAGCCTTGAAGGCAATTCCTCAACCTATCTGCAAG 420
    || || || || || || || || || || || || || || || || || || || || ||
DB 421 AAGGCGGTGAGAAAGGTCAACCGAGACCTGCTCAAGGCGCGCAAGAGATGTGAGAC 480
    || || || || || || || || || || || || || || || || || || || || ||
OY 421 GAAGTATTCTAGGTGCTGACAGTATCATCAGCTCTGAAAAGTTGAGAGATATATC 480
    || || || || || || || || || || || || || || || || || || || || ||
DB 481 GAGCAGATGTGCGCGCACCGCAGCATTTGCGGCGGTACACAGTGCATGCTGAGAC 540
    || || || || || || || || || || || || || || || || || || || || ||
OY 481 TAGAAGCTATGAGCGGTGTGGGCAAGATGATGTGATACATCGAAGAAATCCAGGT 540
    || || || || || || || || || || || || || || || || || || || || ||
DB 541 GCGAGGCGATGACAGAGTGGGCAACGAGGCGTCAATCAGCTGTGAGAGATCCAAAC 600
    || || || || || || || || || || || || || || || || || || || || ||
OY 541 ATGSAACAGAACTGAAGTGTGAAGGATGATTAACCATTCACCGTGTCTGCA 600
    || || || || || || || || || || || || || || || || || || || || ||
DB 601 TTGGGCTGCAAGCTGACGATCAGCGAGGTATGCGGTTCACAAAGGCTTACATCTG 660
    || || || || || || || || || || || || || || || || || || || || ||
OY 601 TACATGCTCAGACAGATGAAGAAATGTTGTCAGACCTGTAACCCATTTATCTTAATC 660
    || || || || || || || || || || || || || || || || || || || || ||
DB 661 TACATGCTCAGACAGATGAAGAAATGTTGTCAGACCTGTAACCCATTTATCTTAATC 720
    || || || || || || || || || || || || || || || || || || || || ||
OY 661 ACGATTAAGAAAGTGTCAACATCCAAAGCATTTTGTCCACTACTTGAAGAAATCTTAA 720
    || || || || || || || || || || || || || || || || || || || || ||
DB 721 GTCACCTCAGAGTGTCTCAATGATGATGATGATGATGATGATGATGATGATGATGAT 780
    || || || || || || || || || || || || || || || || || || || || ||
OY 721 ACCAAGCTCATTAATCATTAATTTGAGATGATGATGATGATGATGATGATGATGATGAT 780
    || || || || || || || || || || || || || || || || || || || || ||
DB 781 GCCGTTAAGCGCTGCTGATCATGCGCGAGAGCTGCAAGGCGGAGCGCTGTCCACCTG 840
    || || || || || || || || || || || || || || || || || || || || ||
OY 781 GCTTGAACAAAGATGCTGTAATTTCAATGATGATGATGATGATGATGATGATGATGATGAT 840
    || || || || || || || || || || || || || || || || || || || || ||
DB 841 GTCGTAACAAAGATGCTGTAATTTCAATGATGATGATGATGATGATGATGATGATGATGAT 900
    || || || || || || || || || || || || || || || || || || || || ||
OY 841 GATGCTGTAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900
    || || || || || || || || || || || || || || || || || || || || ||
DB 901 GACGCGCGCAAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 960
    || || || || || || || || || || || || || || || || || || || || ||
OY 901 GAGGATCTAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 960
    || || || || || || || || || || || || || || || || || || || || ||
DB 961 GAGGATCTAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1020
    || || || || || || || || || || || || || || || || || || || || ||
OY 961 ATTACAGTTGATTAAGATAGACAGATTAATGTTGAGTTGAGGAAGTTGAGAGCTATT 1020
    || || || || || || || || || || || || || || || || || || || || ||
DB 1021 GTCTGTGTCACCAAGAGAGACACACATCTGCGAGGCGCGCGGTGAGACGAGCGCATC 1080
    || || || || || || || || || || || || || || || || || || || || ||
```

Oy 1021 GCTAACGTAATGCACTGATTAATGCAATTAGAAACAACTCTGACTTTGACGCT 1080
 Db 1081 GCGGAGAGATGCGCCACATATCCGACAGAGATCGAGAACAGACACTCCGATATGACCGT 1140
 Oy 1081 GAAATACTAAGAACGTTTGGGCAATTAAGTGTGTGTGACTGTATTATCAAGTAGGA 1140
 Db 1141 GAGAAAGCTGAGAGGAGGCTGGCCAAAGCTGGGCGGTGTGTGTGATATCAAGGCGGT 1200
 Oy 1141 GCTCCAAAGACAGACGCTTTAAAGAAATGAACCTTGCAATGAGATGCTCTAAATGCT 1200
 Db 1201 GCGGCAACCGAGGTGAACCTCAGAGAGCCGCAAGACCGCATCGAGATCGCGTCCCAAT 1260
 Oy 1201 ACACGTGACCCCTTGAGAAAGATATCTGTGTGTGTGTGAACAGCACTATTATACGTT 1260
 Db 1261 GCGAAGGCGCCCTGAGAGAGGAGGATCGCGCGGTGTGTGTGTGTGTGAACAGG 1320
 Oy 1261 ATTGAATAATGACAGCTCTTGAGCTTGAGGCGATGATGCTAAGACGTAACATTTGG 1320
 Db 1321 GCGGCAACCTTGAGAGAGGAGTGAAGCTGAGAGGAGGAGGAGGAGGAGGAGGAGG 1380
 Oy 1321 CTGTGTGCTGTAGAGAGGCTGTAGCTCAAAATTTGCTTAATGCTGTGTGTGTGTGTG 1380
 Db 1381 AAGTGGCGCTGTAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1440
 Oy 1381 GATGATTTGACAGTTGAAACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1440
 Db 1441 GTGTGTGCGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1500
 Oy 1441 GAGTGGGTGATGATGATTAAGAGAGATGATGAGGAGGAGGAGGAGGAGGAGGAGG 1500
 Db 1501 GTCTACAGAGATCTGT 1560
 Oy 1501 CTTCAAAATGCAAGCTTGT 1560
 Db 1561 CTGAGAGATGCGCGCTCCATCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1620
 Oy 1561 AAACCTGAA 1569
 Db 1621 AAGCGGAA 1629

RESULT 13

US-09-738-626-2986
 ; Sequence 2986, Application US/09738626
 ; Publication No. US20020197605A1
 ; GENERAL INFORMATION:
 ; APPLICANT: NAKAGAMA, SATOSHI
 ; APPLICANT: NIZOGUCHI, HIROSHI
 ; APPLICANT: ANDO, SEIKO
 ; APPLICANT: HAYASHI, MIKIRO
 ; APPLICANT: OCHIAI, KEIKO
 ; APPLICANT: YOKOI, HARUHIKO
 ; APPLICANT: TATEISHI, NAOKO
 ; APPLICANT: SENOH, AKIHITO
 ; APPLICANT: IKEDA, MASATO
 ; APPLICANT: OZAKI, AKIO
 ; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
 ; FILE REFERENCE: 249-125
 ; CURRENT APPLICATION NUMBER: US/09/738, 626
 ; PRIORITY FILING DATE: 2000-12-18
 ; PRIOR APPLICATION NUMBER: JP 99/377484
 ; PRIORITY FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: JP 00/159162
 ; PRIORITY FILING DATE: 2000-04-07
 ; PRIOR APPLICATION NUMBER: JP 00/280988
 ; NUMBER OF SEQ ID NOS: 7059
 ; SOFTWARE: PatentIn ver. 3.0
 ; SEQ ID NO 2986
 ; LENGTH: 1644
 ; TYPE: DNA
 ; ORGANISM: Corynebacterium glutamicum

US-09-738-626-2986

Query Match 27.9%; Score 457; DB 9; Length 1644;
 Best Local Similarity 56.4%; Pred. No. 6,4e-102;
 Matches 903; Conservative 0; Mismatches 680; Indels 18; Gaps 2;

Oy 1 ATGCAAAAGAAATCAAAATTTTCAGACAGATGCGCGTGTGCTGCAATGCTGCGGAGATGAT 60
 Db 1 ATGCAAAAGATCATCGCTTTGATAGAGAGACGTCGTGGCTTAAGAAAGGAGACTGAC 60
 Oy 61 ATGTAGACAGATACCGTCAAAAGTAAAGTGTGCTTAAGAGGCGCAATGTTCTTGA 120
 Db 61 ACCGTGGTGAACGCTGTAGAGTTACTTTGGACCAAGGCGCTAACGCTCTTTTGA 120
 Oy 121 AAGCTTTGGTGTGCTTCTTAATTAATGACGGGTAAACATGCTTAAGAGATGA 180
 Db 121 AAGCTTTGGTGTGCTTCTTAATTAATGACGGGTAAACATGCTTAAGAGATGA 180
 Oy 181 TTGAGATCATTTTGAAGAACATGAGAGCAAAATTTGTCTGAATGCTTCTA 240
 Db 181 CTGAGAGATCTTACAGAGAGATGAGAGGAGAGAGAGAGAGAGAGAGAGAGAG 240
 Oy 241 AATGATATTGCTGTGTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 300
 Db 241 GATGAGAGTGGGAG 300
 Oy 301 GAGAGATCAAAAGATGAG 360
 Db 301 GAGAGAGTGGCAAGCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 360
 Oy 361 ACAG 420
 Db 361 AAGCTGT 420
 Oy 421 GAGAGATGCTGAG 480
 Db 421 GAGAGATGCTGAG 480
 Oy 481 TCAG 525
 Db 481 GCTAAG 540
 Oy 526 GAGAGATCTGAG 585
 Db 541 GAGAGATCTGAG 600
 Oy 585 GGTACCTGTCTCAATACATGCTGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 645
 Db 601 GGTACATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 660
 Oy 646 CCATTATCTTATCAAGAGATTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 705
 Db 661 CCTTACATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 720
 Oy 706 GAGAGAGTCTTAAACCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 765
 Db 721 GAGAGAGTCTTAAACCAAG 780
 Oy 766 GAGAGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 825
 Db 781 GCTGTCTCAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 840
 Oy 826 GCGCAGAGATTTGT 885
 Db 841 GCTCGGAGCTTGGGAG 900
 Oy 886 GGTACAGTGTATCAAGAGATCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 945
 Db 901 GGTACAGTGTATCAAGAGATCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 960
 Oy 946 GGTACAGTGTATCAAGAGATCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1005
 Db 961 GGTACAGTGTATCAAGAGATCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1020

Wed Apr 16 08:05:37 2003

us-09-001-737-7_copy_15_1652.rmpb

Page 14

QY 1006 AGTTCAGAACCTATTGCTAACCGTATTGCACTGATTAATCCGAATTGAAACACACT 1065
DB 1021 TCTGAGGCTCATGATGAAAGCCCGCTCAACACGATCCGGGTGAGATGAGAACTCCAT 1080
QY 1066 TCTGACTTTGACCGTGAAGAACTACAAAGAGTTGGCGAAATTTAGTGGTGGTACT 1125
DB 1081 TCCGACTACGACCGTGAAGAACTCAACGAGGCTGTGGCTTAACCTGCCGCGCTGCA 1140
QY 1126 GTATCAAAAGTAGAGCTCCACAGAGACACTTTAAAGAAATTAATTAATCCATTGAG 1185
DB 1141 GTGCTTAAGGTGGGCGGCTACCGAGGTGAGTCAAGAGCCGACACGCGCTTGAAG 1200
QY 1186 GATGCTCTAAATGCTACACGTCGACCGCTTAAGAGATGATGCTGTGCTGTGTGAGACA 1245
DB 1201 GATGCTGTCCGTAAAGCTTAAGAGGCTGTGAAGAGGATGCTGTGCGCGGCTGCGCTT 1260
QY 1246 GCACTTATTACGTTATTGAAAAAGTAG--CACTCTTGAGCTTGAGGCGGATGCT 1302
DB 1261 GCGCTGCTCAGGCTGCTGCTCAGCTCGACAGAGATCTTGACCTTTCCGCGCGAGACA 1320
QY 1303 ACTGAGAGTAACTATTGCTGTGCTCTAGAGAGCTGTACCTCAATTTGCTTTAAT 1362
DB 1321 AACGGCGTTCGATCGCTCCGAGAGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1380
QY 1363 GCTGGGTACGAAAGCTCCGTAGTTATTAACAGTGAAGAAACAGCCCTGAGAGACAGA 1422
DB 1381 GCTGGCTGCTGAGCCAGCGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1440
QY 1423 TTTAATGCTGCAACAGTGAAGGTGATGATTAATAACAGAAATCAATGACCTGCTC 1482
DB 1441 CTCACGCTGCAAGAGCGGAGTAGCTGACCTGATGCGTGGGCGGACATCAACACCACTT 1500
QY 1483 AAAGTAAACAGATGAGCGCTTAAGAAATGAGCTTGTGAGTACTTATTTTGACACA 1542
DB 1501 AAGTCAACCGCTCCGACCTCAAGAACGCTGATCATTTGCACTGCTGCTGCTGCTGCT 1560
QY 1543 GAAGCAGTTGTTGCTAATAAAGCTCAACGACGACGACG 1583
DB 1561 GAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1601

RESULT 14
US-09-738-626-1/c
Sequence 1, Application US/09738626
Publication No. US20020197605A1
GENERAL INFORMATION:
APPLICANT: NAKAGAWA, SATOSHI
APPLICANT: MIZOGUCHI, HIROSHI
APPLICANT: ANDO, SEIKO
APPLICANT: HAYASHI, MIKIRO
APPLICANT: OKHAI, KEIKO
APPLICANT: YOKOI, HARUHIKO
APPLICANT: TATEISHI, NAOKO
APPLICANT: SENOH, AKIHIRO
APPLICANT: IKEDA, MASATO
APPLICANT: OZAKI, AKIO
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-125
CURRENT APPLICATION NUMBER: US/09/738,626
PRIORITY FILING DATE: 2000-12-18
PRIORITY FILING DATE: 1999-12-16
PRIORITY FILING DATE: 2000-04-07
PRIORITY FILING DATE: 2000-08-03
NUMBER OF SEQ ID NOS: 7059
SOFTWARE: PatentIn ver. 3.0
SEQ ID NO 1
LENGTH: 3309400
TYPE: DNA
ORGANISM: Corynebacterium glutamicum

US-09-738-626-1
Query Match 27.9%; Score 457; DB 9; Length 3309400;
Best Local Similarity 56.4%; Pred. No. 3,4e-100;
Matches 903; Conservative 0; Mismatches 680; Indels 18; Gaps 2;
QY 1 ATGGCAAAAGAAATTTTCAGCAGATGCGGCTGCTCCATGCTGCGCGAGTTGAT 60
DB 2890540 ATGGCAAAAGAAATTTTCAGCAGATGCGGCTGCTCCATGCTGCGCGAGTTGAT 60
QY 61 ATGTTAGAGATATCCCTCAAGTAAAGTACCTGCTTAAAGGCGCAATGCTTTGTA 120
DB 2890480 ACCCTGCTGACGCTGTTAAGGTACTTTGGAGCAAAAGGCGCTTAACGCTTTTGA 2890421
QY 121 AAGCTTTGTTCTCCCTTAATTAATGAGCGGGTAACTGCTAAAGATGCA 180
DB 2890420 AAGCTTTGTTCTCCCTTAATTAATGAGCGGGTAACTGCTAAAGATGCA 2890361
QY 181 TTAGAAGATCATTTGAAATATGAGCAAAATTTGCTGCTGAAGTCTTAAACC 240
DB 2890360 CTGAGGATCTTACGAGAAAGATCGCGACGCTGCTGAAGAAATGCTTAAAGACT 2890301
QY 241 AATGATATGCTGCTGATGAGGAGACTACTGCAACAGTTTGAACAAAGCTATTGAT 300
DB 2890300 GATGAGCTGCGGGGATGAGCAACACGCTGCTAATTTGGCAAGGCTGCTGCTGCG 2890241
QY 301 GAAGCACTAAATAATGACAGAGGCTGCTAATCAATTTGATTCCTGAGGCAATGAA 360
DB 2890240 GAAGCACTAAATAATGACAGAGGCTGCTAATCAATTTGATTCCTGAGGCAATGAA 2890181
QY 361 ACAGCAACAGCAACAGCTGTTGAAGCTTGAAGCCATTGCTCAACCTGATATGCAAG 420
DB 2890180 AAGCTGTTGCTGCTGAGTACGATGAGAGCTGCTGAGGCTGCGAAGAAATGAGACCG 2890121
QY 421 GAAGCTATTTGCTGAGGCTGCTGAGTATCAACGCTGCTGAAAGAAATTTGAGATGATC 480
DB 2890120 GAGCAATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2890061
QY 481 TCAGAACTATGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 525
DB 2890060 GCTAAGCAATGATGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2890001
QY 526 GAAGATATTCGAGATGAGAAACAGACTTGAAGTGTGAAGCAATTTGACCGT 585
DB 2890000 GAAGATATTCGAGATGAGAAACAGACTTGAAGTGTGAAGCAATTTGACCGT 2889941
QY 586 GGTACCTGCTCAATTCATGCTGCTACAGACATGAAAAAATGCTGAGACCTTGA 645
DB 2889940 GGTACCTGCTCAATTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2889881
QY 646 CCATTAATCTTAATCAGGATTAATAAAGTGTCAAAACATCAAGCAATTTGCACTG 705
DB 2889880 CCATTAATCTTAATCAGGATTAATAAAGTGTGTGCAAAACATCAAGCAATTTGCACTG 2889821
QY 706 GAGGAATCTTAAACCAACAGCTCATTAATGAGATGATGAGATGAGATGAGATGAG 765
DB 2889820 GAGGAATCTTAAACCAACAGCTCATTAATGAGATGATGAGATGAGATGAGATGAG 2889761
QY 766 GCACTTCCAAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 825
DB 2889760 GCACTTCCAAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2889701
QY 826 GCGGCGAATTTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 885
DB 2889700 GCGGCGAATTTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2889641
QY 886 GGTACGATGATTAAGAGATGAGACTTGAATTAAGATGCTGCTGCTGCTGCTGCTGCTGCT 945
DB 2889640 GGTACGATGATTAAGAGATGAGACTTGAATTAAGATGCTGCTGCTGCTGCTGCTGCTGCT 2889581
QY 946 GAGAGGCTGCTAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAG 1005
DB 2889580 GAGAGGCTGCTAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAG 2889521

QY 1006 AGTTCAGACGATTTGCTAACCGTATTGACAGTATTAATTCGAAATAGAACACACT 1065
Db 2889320 TCTAGAGCTACGATCGAAGGCGCGCTCAACACAGTCCGGGTGAGATCGAGACACCCGAT 2889461
QY 1066 TCTAGCTTACCGCTGGAAGAAATACAGAGAGCTTGGCAAAATTCGCTGGTGTAGCT 1125
Db 2889460 TCCGACTACGACCGTGAAGAGCTCAAGAGCGTGTGGTAAAGCTTCCGGCGGCTTCCA 2889401
QY 1126 GTATTCAAAGTGGAGCTCCACAGAGACACTTTAAAGAAATTAATTCGCTTGAAG 1185
Db 2889400 GTGCTTAAGGTGGGCGACAGTACCCAGGTGACCTCAAGAGGCGCAAGACCGCATTTGAG 2889341
QY 1186 GATGCTCTTAATGCTACACGCTGACCGCTTGAAGAGATGTTGCTGTGTGTGAACA 1245
Db 2889340 GATGCTGCTTAAACGCTTAAGGACGCTGTGAAGAGGACATCGCTTCCGGCGGCTTGA 2889281
QY 1246 GCACTTATTCAGCTTATTTGAAAGTAG--CAGCTTCTGAGCTTGAAGGCGGATGATCT 1302
Db 2889280 GCGCTGCTGACAGGCTGCTACGCTCTGACACAGATCTTGAAGCTTCCGGCGAGAGGCA 2889221
QY 1303 ACTGAGACGATGATGCTGCTGCTGCTAGAGAGCGCTGACGTCAAATTTGCTTAAAT 1362
Db 2889220 ACCGGGCTGACGATCGCTCGGAGGCTCTGACTGCTCTGAAAGCAGATGCGTGTAAAG 2889161
QY 1363 GCTGGGTACGAGCGCTCCGAGTATTAATGACAGTGAAGAAAGCGCTGAGAGACAGA 1422
Db 2889160 GCTGGCTGACGACGAGCGGTGTGTGACAAAGTTTCCGAGCTCCGAGCGGAGAGGC 2889101
QY 1423 TTATATGCTGCAAGAGGTGAGGTGATGATTAATTAAGAGATCATTAAGCTGTCT 1482
Db 2889100 CTCACGCTGCAAGCGGCGAGAGCTGACCTCATGCTGCGGCTGACAGCCCGCTT 2889041
QY 1483 AAGTACAGCATACGCGCTTCAAAATGACGCTTCTGTAGCTTATTTTGAACACA 1542
Db 2889040 AAGTACAGCGCTGCGCAGACAGAGGCTGATCTCAATTCGACTCTGTCTGACACT 2889981
QY 1543 GAAGCAGTGTGCTTAATAACCTTAACACGACGACCGCCAG 1583
Db 2889980 GAAGCTGTGCTGCTCAACAGCCACAGCCTCGAGCGCGAGC 2888940

RESULT 15
US-10-068-059-9
Sequence 9, Application US/10068059
Patent No. US2002015434A1
GENERAL INFORMATION:
APPLICANT: Mizen, Lee A.
APPLICANT: Hongwel, Liu
TITLE OF INVENTION: HEPATITIS B VIRUS TREATMENT
FILE REFERENCE: 12071-017002
CURRENT APPLICATION NUMBER: US/10/068,059
PRIOR FILING DATE: 2002-06-04
PRIOR APPLICATION NUMBER: US 60/266,733
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 9
LENGTH: 2073
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(2070)
OTHER INFORMATION: Nucleic acids encoding fusion protein
US-10-068-059-9

Query Match 27 88: Score 455.6: DB 9: Length 2073:
Best Local Similarity 55.78: Pctd. No. 1.6e-101:
Matches 872: Conservative 0: Mismatches 694: Indels 0: Gaps 0:
QY 4 GCAAAGAAATCAATTTTCAGCAGATGCGCTGCTGCATGTGTGGCGGAGATGATATG 63

Db 454 GCACAGCAATTTGGTACAGAGAGAGGCGCGCTCGCGGCTCGAGAGGCGGCTTCAAGCC 513
QY 64 TAGCAGATACCGCTCAAAAGTAAACGTTGTCTTAAAGGCGCAGATTTGCTTGAAGAA 123
Db 514 CTGGCGATGTGGTAAAGGTGACATTTGGGCCCCAAGGGCCGCAACGCTGCTCGGAAAG 573
QY 124 GCTTTGGTTCCTCTTAATTAATGAGGAGGTAAACATCTGCTTAAAGATCGAATTA 183
Db 574 AAGTGGGTGCCCCCAGATACCAACAGATGTGTGTCAATCCGCAAGAGATGAGCTG 633
QY 184 GAAGATCATTTTGAACATGAGAGCAAAATTTGTGTGTGATGAGTGGCTTCTTAAACCAT 243
Db 634 GAGATTCCTGACGAGAAATGGGGCGGAGCTGTGCTCAAAAGGTATCCACAGAACCCGAT 693
QY 244 GATATGTGATGATGAGAGACGATCTGCAACGATTTGACACAAACCTTTGCTTGA 303
Db 694 GAGTGTGCGGTATACGACACACAGCGCCAGCTGTGCTGAGCGAGCTGTGCTGAGAG 753
QY 304 GAGCTAATAAATGTGACACAGCTGTCTAATCCATTTGTTATCCGTGAGAGGATGAACA 363
Db 754 GAGCTGCGCAACGCTGCGGCGGCGCCAGACCGCTGCTCAAAAGCGGATGAAAG 813
QY 364 GCAACAGCAACAGCTGTGAAGCTTGAAGCTTGAAGCAATTTGCTCACTGTATCTGCAAGAA 423
Db 814 GCGGTGAGAGAGGTACACGAGACCTGTCTCAAGGCGCCAAAGGAGGTGAGAACAGAGAG 873
QY 424 GCTATTCCTAGGTGCTGCTGACATATCATCAGCTCTGAAAGATTTGAGAGATATCTCA 483
Db 874 CAGATTCGCGGCGACGAGCGATTTGCGGGGTGACAGATCATCGGTGATCTGATCGGC 933
QY 484 GAAGCTAGAGGCTGTGGGCAAGAGATGTGTATCATGATGAGAAATTCAGAGATAG 543
Db 934 GAGCGATGACAAAGGTGGGCAAGAGGCGGTATCATCGCTGAGAGATCCAAACACTTT 993
QY 544 GAACACAAATTTGAAGTGTGAAGGACATGCAATTTGACCGGTGTACTGTCTCAATAC 603
Db 994 GGGCTGAGCTGAGACTCAACGAGGATATGCGGTTCACAAAGGCTCAATCTGGGTAC 1053
QY 604 ATGTGCAAGCAATGAAGAAATGATGTGACACCTTGAACCCATTATCTTAATCAG 663
Db 1054 TTGCTGACGACCGCGAGACGCTCAAGAGGCGCTGAGAGACCTCTACATCTGCGGTG 1113
QY 664 GATAAAAAGTGTCAACATCAAGACATTTTGGCACTACTTGAAGAGTCTTAAAC 723
Db 1114 AGCTCAAGGTGTCCACTGTCAAGATCTGCTGCGGCTGCTGAGAAAGTCAATCGAGCG 1173
QY 724 AACGTCATTAATCTATTATTGAGATGATGATGATGATGATGATGATGATGATGATGATG 783
Db 1174 GGTAGCGCTGCTGATCATCGCCGAGAGCTGAGGCGGAGGCGGTGTCCACCTGAGTC 1233
QY 784 TTGAACAAGATTCGTGACTTCAATGATGATGATGATGATGATGATGATGATGATGATG 843
Db 1234 GTCAACAAGATTCGCGGACCTTCAAGTGGTGGGCTCAAGGCTTCCGGCTTGGCGAGC 1293
QY 844 GGTGTAAGTATGCTTGAAGACATTTCTTATGACAGGTGTGACAGTGAATGATGACAGAG 903
Db 1294 GCGCGAAGGCAATGTGCAAGATGATGATGATGATGATGATGATGATGATGATGATGATG 1353
QY 904 GATCTAGACTTGAATTAAGATGCTAAGTACAGAGCCCTTGAACAGCGCTGATAGATT 963
Db 1354 GAGGTGCGCTGACGCTGAGAGAACCGCACCTGTGCTCTAGCAAGGCGCCGCAAGCTC 1413
QY 964 ACAGTGTATTAAGATACACAGTATTTGAGAGTTTCAAGAGTTCAGAGATATTTCT 1023
Db 1414 GTGCTACCAAGAGAGAGACACCAATCGTGAAGGCGCGGTGACACCGGCAATGCTCC 1473
QY 1024 AACCTATTTGACATGATTAATGCAATTTGAAGAAACAACTCTGATGATGATGATGATGAT 1083
Db 1474 GAGAGAGTGTGCGGACGATCCGCGAGAGATGAGAAAGAGCACTCCGACTACGACCTGAG 1533
QY 1084 AAACCTCAAGAAAGCTTGGGAAATTTAGCTGTGCTGTGATGATGATGATGATGATGATG 1143

Db 1534 AACCTCAGAGAGCGGCTGGCCAAAGCTGGCCGGTGTGTCCGGTATCAAGGCCGGTCC 1593
OY 1144 CCAACAGAGACAGCTTTAAAGAAATGAACCTTCGCAATTGAGATGCTCTAATATCTACA 1203
Db 1594 GCCACGAGGTCTCAACTCAAGAGAGCCCAAGCACCCTCATCGAGATGGGTTGCAATGCC 1653
OY 1204 CGTGAAGCCGTTGAAGAGCTATCGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1263
Db 1654 AAGCCGCCGCTCGAGAGGCAATCGTCCGCTGGGGGTGTACGCTGTTCACAGCGGCC 1713
OY 1264 GAAAAAGTACAGCTCTTGAAGCGATGATGCTACTGACGTAAACATTTGTGCTT 1323
Db 1714 CCGACCTGAGAGCTGAAGCTCGAAGGCGAGAGCGACCGCCCAACATTCGTGAAG 1773
OY 1324 CGTCTCTAGAAGAGCCTGTACGTCAATTTCTTAAATGCTGGGTACGAAGGCTCGTA 1383
Db 1774 GTGGCGCTGGAGGCCCGCTGAAGCAGATCGCTTCAACTCGGGCTGGAGCCGGCGTG 1833
OY 1384 GTTATTGACAAAGTTGAAAAACAGCCCTGCAGAGACAGATTTAATGCTGCAACAGGTGAG 1443
Db 1834 GTGGCCGAGAGGTGCGCAACCTGCGGCTGGCCAGCGACTGAACGCTCAGACGGGTGC 1893
OY 1444 TGGGTTGATATGATTAATAACAGAAATCATTTGACCCCTGTCAAGTAACAGATCAGCCCTT 1503
Db 1894 TAGAGAGATTTGCTCGCTGCGGGGTGTGACCCGGTCAAGTGACCCGTTGCGGCTG 1953
OY 1504 CAAAATGCAAGCTTCTGATAGCTATCTATTGACACAGAAAGATTTGCTATATAA 1563
Db 1954 CAGATGCGGGTCTCATCGCGGGCTGTTCTTACACCGAGGCGTGTGCGACAG 2013
OY 1564 CCTGAA 1569
Db 2014 CCGGAA 2019

Search completed: April 15, 2003, 09:09:26
Job time : 3195.29 secs